

CLAIMS

1. A secure device comprising:
an authentication section that performs
5 authentication processing for a gate equipment;
a terminal application installed at a terminal; and
a control section that installs the terminal
application designated by the gate equipment on the
terminal in the event that authentication between the
10 authentication section and the gate equipment is
successful.
2. The secure device according to claim 1, wherein the
secure device holds correspondence information defining
15 a correspondence relationship of the gate equipment and
the terminal application, and the control section
installs the terminal application at the terminal only
in the event that the relationship of the terminal
application designated by the gate equipment and the gate
20 equipment matches with the correspondence information.
3. The secure device according to claim 1, wherein the
control section provides the terminal application
installed at or deleted from the terminal according to
25 the communication scheme with the gate equipment.
4. The secure device of claim 1, further comprising

a terminal setting management section that determines whether or not a setting to valid for the previous time with the terminal has been correctly invalidated while the authentication section is carrying out authentication with the gate equipment, and permitting authentication with the gate equipment only in the event of correct invalidation.

5. A secure device comprising:

10 an authentication section that performs authentication processing for gate equipment;

a card application; and

a control section that permits the card application designated by the gate equipment to access a terminal application of a terminal in the event of successful authentication of the authentication section with the gate equipment.

6. The secure device according to claim 5, wherein the authentication section holds a database recording a relationship between successfully authenticated gate equipment and the card application designated by the gate equipment, and the card application decides whether to permit or deny access based on information of the database when there is an access request from the terminal application.

7. The secure device according to claim 5, wherein the control section sets the card application to valid or invalid according to the communication scheme with the gate equipment.

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8. A secure device comprising:

an authentication section that carries out authentication processing with respect to a gate equipment and registers identification information for the successfully authenticated gate equipment; and

a card application sending the identification information for the gate equipment to an equipment carrying out a predetermined operation under the condition that the authentication section successfully performs authentication with the gate equipment in order to provide verification of the equipment, or verifying the identification information in place of the equipment.

9. The secure device according to claim 8, wherein the card application sends input user identification information to the equipment in order to provide verification of the equipment, or verifies the user identification information in place of the equipment.

25 10. A gate equipment comprising:

a communication section that communicates with a secure device or a terminal holding the secure device;

and

a gate application carrying out authentication processing with the secure device via the communication section, and designating a terminal application to be
5 installed at the terminal for the successfully authenticated secure device.

11. A gate equipment comprising:

a communication section that communicates with a
10 secure device and a terminal holding the secure device;
and

a gate application carrying out authentication processing with the secure device via the communication section, and designating a card application capable of
15 being accessed by the terminal application of the terminal for the successfully authenticated secure device.

12. A terminal apparatus holding a secure device, and installing a terminal application designated by a gate
20 equipment from the secure device successfully authenticated with the gate equipment.

13. The terminal apparatus according to claim 12, further comprising a terminal application suspension
25 management section for, in the event that a new terminal application cannot be installed due to there being too little memory capacity at the time of receiving an

installation request for the new terminal application from the security device, installing the new terminal application after suspending the held terminal application in the secure device, then deleting the
5 installed new terminal application, and restoring the saved terminal application.

14. A terminal apparatus holding a secure device, comprising a terminal application accessing a card
10 application designated by a gate equipment in the card application held by the secure device successfully authenticated with the gate equipment.

15. The terminal apparatus according to claim 12, wherein the secure device is installed in a detachable state.

16. The terminal apparatus according to claim 12, wherein the secure device is embedded in an integral
20 manner.

17. An equipment acquiring identification information for a gate equipment from a secure device successfully authenticated with the gate equipment and carrying out
25 a predetermined operation in the event that verification of the identification information is successful.

18. An equipment carrying out a predetermined operation
in the event that information indicating successful
verification of identification information of a gate
equipment from a secure device successfully authenticated
5 with the gate equipment.